

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>235054</b> <span style="float: right;">#4</span> CLIENT REF. NO. <b>M3E-183967C/EK</b> U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/530,171</b> PRIORITY DATE CLAIMED <b>4 October 2002 (04.10.2002)</b>
INTERNATIONAL APPLICATION NO. <b>PCT/JP2003/012732</b>	INTERNATIONAL FILING DATE <b>3 October 2003 (03.10.2003)</b>	
TITLE OF INVENTION <p style="text-align: center;"><b>ANTIBODY RECOGNIZING ANTIGEN</b></p>		
APPLICANT(S) FOR DO/EO/US <p style="text-align: center;"><b>HIRAKAWA et al.</b></p>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 USC 371(f)).</li> <li>4. <input type="checkbox"/> The US has been elected (PCT Article 31).</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed (35 USC 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 USC 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has previously been submitted under 35 U.S.C.V. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 USC 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 USC 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 USC 371(c)(5)).</li> <li>11. Nucleotide and/or Amino Acid Sequence Submission           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. Specification Sequence Listing on:               <ol style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> Paper Copy</li> </ol> </li> <li>c. <input type="checkbox"/> Statement verifying identity of above copies</li> </ol> </li> </ol>		
<b>Items 12 to 20 below concern other document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>12. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.           <ul style="list-style-type: none"> <li><input type="checkbox"/> Form PTO-1449</li> <li><input type="checkbox"/> Copies of References (except for U.S. patents and applications)</li> </ul> </li> <li>13. <input type="checkbox"/> An assignment for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>14. <input type="checkbox"/> A FIRST preliminary amendment.</li> <li>15. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> <li>16. <input type="checkbox"/> A substitute specification.</li> <li>17. <input checked="" type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>18. <input checked="" type="checkbox"/> Application Data Sheet Under 37 CFR 1.76</li> <li>19. <input checked="" type="checkbox"/> Return Receipt Postcard</li> <li>20. <input checked="" type="checkbox"/> Other items or information: Submission of Formal Drawings Transmittal; Formal Drawings [Figs. 1-6 on 6 Sheets]</li> </ol>		

**SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/530,171</b>		INTERNATIONAL APPLICATION NO. <b>PCT/JP2003/012732</b>		ATTORNEY DOCKET NO. <b>235054</b>		CLIENT REF. NO. <b>M3E-183967C/EK</b>	
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The following fees are submitted:				CALCULATIONS	PTO USE ONLY
21. <input type="checkbox"/> Basic national fee ..... \$300				\$	
22. <input type="checkbox"/> Examination Fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$100 All other situations ..... \$200				\$	
23. <input type="checkbox"/> Search Fee USPTO was ISA ..... \$100 Search report provided to USPTO by other entity ..... \$400 All other situations ..... \$500				\$	
<b>TOTAL OF 21, 22 AND 23 =</b>				\$	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				\$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/ 50 =		x \$250	\$	
<input checked="" type="checkbox"/> Surcharge of \$130 for furnishing the National fee or oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	- 20 =		x \$ 50	\$	
Independent Claims	- 3 =		x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$( )	
<b>SUBTOTAL=</b>				\$130.00	
<input type="checkbox"/> Processing fee of \$130 for furnishing English Translation later than 30 months from the earliest claimed priority date.				\$	
<b>TOTAL NATIONAL FEE=</b>				\$	
<input type="checkbox"/> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property.				\$	
<b>TOTAL FEES ENCLOSED=</b>				\$130.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$

a. ☐ No fee is believed to be due.

b. ☒ Please charge Deposit Account No. 12-1216 the total fee indicated above.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 12-1216. A duplicate copy of this sheet is enclosed.

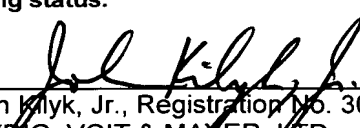
**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO CUSTOMER NO. 23460:

**23460**

05/20/2005 SHAJARRO 00000062 121216 10530171

01 FC:1617 130.00 DA

  
 John Kilyk, Jr., Registration No. 30,763  
 LEYDIG, VOIT & MAYER, LTD.  
 Two Prudential Plaza, Suite 4900  
 180 North Stetson Avenue  
 Chicago, Illinois 60601-6780  
 (312) 616-5600 (telephone)  
 (312) 616-5700 (facsimile)

Date: May 17, 2005

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/530,171</b>	INTERNATIONAL APPLICATION NO. <b>PCT/JP2003/012732</b>	ATTORNEY DOCKET NO. <b>235054</b>	CLIENT REF. NO. <b>M3E-183967C/EK</b>
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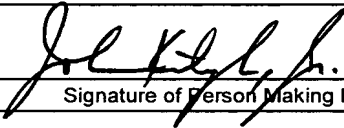
  

<b>EV 420401851 US</b>	<b>May 17, 2005</b>
"Express Mail" Mailing Number	Date of Deposit

I hereby certify that this transmittal document with respect to the U.S. national phase of the above-referenced International Patent Application, including all of the items listed thereon as enclosures, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<b>John Kilyk, Jr.</b>	
Typed or Printed Name of Person Making Deposit	Signature of Person Making Deposit

# CHANGE OF CORRESPONDENCE ADDRESS *Patent*

Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Patent Number	
Issue Date	
Application Number	10/530,171
Filing Date	April 4, 2005
First Named Inventor	Hirakawa et al.
Attorney Docket Number	235054

Please change the correspondence Address for the above-identified patent to:

☒ Customer Number: 23460

OR

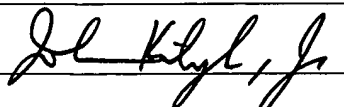
<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		Zip	
Country					
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This form will not affect any "fee address" provided for the above-identified patent. To change a "fee address" use the "Fee Address Indication Form" (PTO/SB/47).

I am the:

- ☐ Patentee.
- ☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
- ☒ Attorney or agent of record. Registration Number 30,763.

Typed or Printed Name	John Kilyk, Jr.		
Signature			
Date	May 17, 2005	Telephone	(312) 616-5600

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Art Unit: Unassigned

Hirakawa et al.

Examiner: Unassigned

Application No. 10/530,171

Filed: April 4, 2005

For: ANTIBODY RECOGNIZING  
ANTIGEN

**REQUEST TO ASSOCIATE  
APPLICATION WITH CUSTOMER NUMBER**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Please associate the subject application with Customer Number:

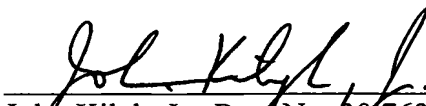
23460

Correspondence concerning this application should be directed to Leydig, Voit & Mayer, Ltd.: Customer Number 23460.

23460

The undersigned has power of attorney with respect to the subject application, as evidenced by the accompanying declaration filed concurrently herewith.

Respectfully submitted,

  
\_\_\_\_\_  
John Kilyk, Jr., Reg. No. 30,763  
LEYDIG, VOIT & MAYER, LTD.  
Two Prudential Plaza, Suite 4900  
180 North Stetson Avenue  
Chicago, Illinois 60601-6780  
(312) 616-5600 (telephone)  
(312) 616-5700 (facsimile)

Date: May 17, 2005

10/530171  
Rec'd PCT/PTO 17 MAY 2005

**PATENT**  
Attorney Docket No. 235054  
Client Reference No. M3E-183967C/EK

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Art Unit: Unassigned

Hirakawa et al.

Examiner: Unassigned

Application No. 10/530,171

Filed: April 4, 2005

For: ANTIBODY RECOGNIZING  
ANTIGEN

**SUBMISSION OF FORMAL DRAWINGS**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

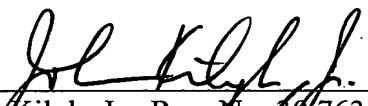
Attn: Official Draftsman

Dear Sir:

Applicants enclose herewith six sheets of formal drawings and request that the same be made of record in this application as a substitute for the informal drawings filed with the application on April 4, 2005.

The Commissioner is hereby authorized to charge any fees which may be required to Account No. 12-1216. A duplicate copy of this communication is enclosed for that purpose.

Respectfully submitted,

  
\_\_\_\_\_  
John Kilyk, Jr., Reg. No. 30,763  
LEYDIG, VOIT & MAYER, LTD.  
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180 North Stetson Avenue  
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(312) 616-5700 (facsimile)

Date: May 17, 2005